

## ABSTRACT

The present invention provides a method for modifying validity of a certificate in a public key infrastructure (PKI)-based authentication system, which is capable of performing online suspension, recovery and revocation of a certificate between a user system and a certificate authority by executing user authentication with guaranteed reliability using user biometric information. Accordingly, there is no need for the user to personally visit a registration authority or certificate authority to modify the certificate validity. The user can easily modify the certificate validity using his/her user system connected online to the certificate authority.